Technical Specification

TT-micro® S815 HD+

Mini HD receiver for DVB-S2

Based on TT ScartTV® and **TT-**micro® **family**

BASICS

- Pay- and Free-TV HDTV DVB satellite receiver compliant to EN 302 307
- Fully HD+ compliant
- MPEG-2 and MPEG-4 AVC/H.264 video decoding
- HDMI Digital Video output
- Common Interface on rear side
- Very compact housing design, for example for installation behind flat TV
- Video Decoding:
  - ISO/IEC 13818-2 (MPEG-2 Video) - MP@ML & MP@HL
  - ISO/IEC 14496-10 (MPEG-4/Part 10) - HP@4L
  - High Definition and Standard Definition: 1080i50, 720p50, 576i25, 576p50
- Audio Decoding:
  - ISO/IEC 13818-3 (MPEG-1/2, Layer 1, 2 & 3)
  - Dolby AC-3 pass-through and down-mix
- Reed-Solomon decoding support (EN 300 421)
- Update over the DVB satellite network option

RF SPECIFICATION

- QPSK demodulation compliant to DVB satellite standard EN 302 307
- Frequency range: 950…2150 MHz
- Input RF level -25... -65 dBm
- Input connector: IEC F-type female
- Input termination: 75 Ω

For DVB-S

- Input connector: IEC60169-2 female
- SCPC/MCPC support 2 Msymbols/s to 45 Msymbols/s
- QPSK with supported rates 1/2, 2/3, 3/4, 5/6, 6/7, 7/8
- Viterbi soft decoder rate ½
- outer Reed-Solomon decoder as per DVB-S system
- Up to 60 Mbps channel bit rate

For DVB-S2

- Broadcast profile
- SCPC/MCPC support 10 Msymbols/s to 30 Msymbols/s
- QPSK and 8PSK with supported rates 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- LDPC and BCH decoder as per DVB-S2 requirements
- Digital Nyquist root filter with 0.20, 0.25, 0.35 roll-off factors
- Up to 90 Mbps channel bit rate

HIGHLIGHTS

- Mini HD receiver
- PVRready via USB
- Receiving of HD+, inclusive HD+ smartcard
- Embedded Nagra encryption
- CEC control over TV remote
- CI slot for Pay TV
- Picture Viewer
- Ideal for HD-ready and full HD flat panel monitors
- Universal remote control

FRONT PANEL

HD + by ASTRA

REAR PANEL

REMOTE CONTROL

TechnoTrend Görler GmbH, Ing.-Anton-Kathrein-Strasse 2, 83101 Rohrdorf-Thansau
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STB MODE FUNCTIONALITY

- DVB satellite TV and Radio reception
- Fully HD+ compliant
- Pay- and Free-TV support
- Reception of High Definition and Standard Definition (HDTV and SDTV) TV programs
- Excellent Easy-To-Use graphical user interface
- Context referred help function
- Automatic and manual channel scan
- Separated program list for TV and Radio
- Up to 4 different favourite lists
- Up to 4000 programs storable
- Electronic Program Guide: present/following EPG, 7-Day-EPG plus additional Grid-EPG
- Aspect ratio: 4:3, 16:9, 2.21:1 (PAL only)
- Wide Screen Signalling (WSS)
- One-Touch Timer setting in EPG
- Multi language support, e.g. German, English, Turkish, Russian, Italian, French, Spanish, Portuguese, Greek
- Integrated Tele text browser
- DVB and EBU subtitling support (ETS 300 743)

STANDARD + REGULATION COMPLIANCE

- DVB satellite standard EN 302 307
- MPEG2 Transport Stream support to ISO/IEC 13818-1
- DVB-Video/-Audio support to ISO/IEC 13818-2, -3
- MPEG-4 Video (AVC) support to ISO/IEC 14496-10
- Tele text in VBI according to ETS 300 472
- DVB subtitling according EN 300 743
- Safety and EMC regulations: EN 55013, EN 55020 and EN 60065

POWER SUPPLY

- Power supply 230VAC/50Hz to 12VDC
- Operation power consumption less 20 W

PVR FUNCTIONALITY

- Recording / Playback via USB-connected mass storage, e.g. USB-HDD or USB memory stick
- Time shift
- Start recording with one single key
- Easy to program recordings by means of EPG data
- Playback / Pause
- Fast forward / fast rewind (may be restricted for HD+ content)

LNB CONTROL

- Band selection: 22 KHz
- Polarity selection: 14/18 V
- Tone burst mode
- DiSEqC 1.0
- LNB current support maximal 300 mA

INPUT / OUTPUT SPECIFICATION

- RF In: Input connector: IEC F-type female (75 Ω)
- HDMI Digital Video out
- USB
- SPDIF / RCA Audio Out
- External IR receiver
- 1x Common Interface

ACCESSORIES

- Receiver (ca. 150 x 146 x 46 [mm])
- HD+ Smartcard
- HDMI® Standard Cable
- External IR receiver
- Holder for TV back panel
- Power Supply Unit
- Remote Control inclusive battery
- Instruction manual: A5 format black/white

EAN

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LOGOS

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